

Essential Elements: High School: Number and Quantity

The Real Number System N-RN

A Extend the properties of exponents to rational exponents. M.N.RN.A

- 1 Determine the value of a quantity that is expressed with an exponent. M.EE.N.RN.1
 - 2 Not applicable.
 - 3 Not applicable.
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Quantities N-Q

A Reason quantitatively and use units to solve problems. (M) M.N.Q.A

- 1 Express quantities as a precise measurement based on the context. M.EE.N.Q.1
 - 2 Express quantities as a precise measurement based on the context. M.EE.N.Q.2
 - 3 Express quantities as a precise measurement based on the context. M.EE.N.Q.3
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The Complex Number System N-CN

A Perform arithmetic operations with complex numbers. M.N.CN.A

- 1 Not applicable.
 - 2 Use properties (commutative, associative, and distributive) and place value understandings to calculate and solve problems. M.EE.N.CN.2
 - a Add, subtract, and multiply whole numbers. M.EE.N.CN.2.A
 - b Add, subtract, and multiply decimals. M.EE.N.CN.2.B
 - c Solve real-world problems involving addition, subtraction, and multiplication of whole numbers and decimals. M.EE.N.CN.2.C
 - 3 Not applicable.
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B Represent complex numbers and their operations on the complex plane. M.N.CN.B

- 1 Not applicable.
 - 2 Not applicable.
 - 3 Not applicable.
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C Use complex numbers in polynomial identities and equations. M.N.CN.C

- 1 Not applicable.
 - 2 Not applicable.
 - 3 Not applicable.
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**Vector and Matrix
Quantities** N.VM

A Represent and model with vector quantities. (M) M.N.VM.A

- 1 Not applicable.
 - 2 Not applicable.
 - 3 Not applicable.
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B Perform operations on vectors. M.N.VM.B

- 4 Not applicable.
 - 5 Not applicable.
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C Perform operations on matrices and use matrices in applications. (M) M.N.VM.C

- 6 Not applicable.
- 7 Not applicable.
- 8 Not applicable.
- 9 Not applicable.
- 10 Not applicable.
- 11 Not applicable.
- 12 Not applicable.